

GAS HYDRAULIC SUSPENSION SYSTEM

# Hydrop H5



Combat vehicle Patria AMV-XP,  
Courtesy of Patria, Finland.



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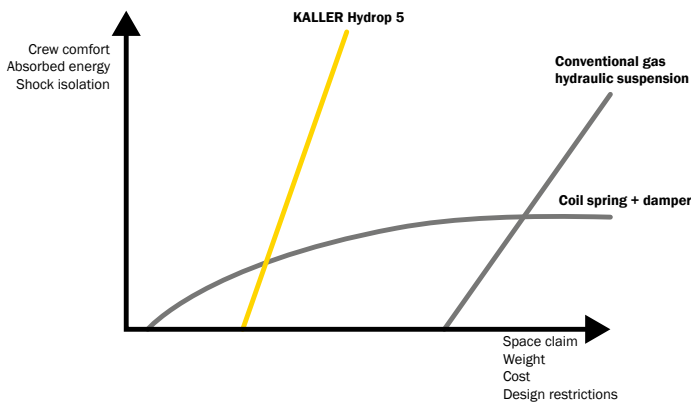
KALLER Hydrop is the ultimate gas hydraulic suspension system for heavy duty military vehicles. Gas springs generate a much larger force and longer stroke in relation to size and weight compared to mechanical springs. The progressive gas spring force combined with high performance damping gives you the tools for an ultimate ride. Better suspension means better comfort and personnel safety.

## WHY HYDROP?

- Smaller and lighter than conventional suspension systems.
- One solution for the whole vehicle, the same hydrop can be implemented on all wheels thanks to its adaptable gas pressures.
- Providing suspension and damping in one unit.
- Load independent driving characteristics.



## HYDROP VS COIL SPRING



## WHY KALLER?

- Safety is the key. In a military vehicle safety is the number one priority. With KALLER Hydrop 5 the vehicle can withstand mines or other obstacles without disturbance due to its robust construction.
- Tested and verified for over 10 years.
- Approved by all high standards within the military sector.
- Certified according to ISO 9001, ISO 14001 & AQAP 2110, MIL-STD-810G, MIL-STD 882C, DEF STAN 00-250, DEF STAN 00-35, DEF STAN 00-56, STANAG 2895.
- Based on a modular solution.
- Proven gas sealing technology.
- Can be tailored to the actual application, meaning the dimensions and performance characteristics will be adapted to your needs.
- In-house production which means fast deliveries.
- Fast, efficient and future proof.

## TRUSTED BY

Patria and KALLER started collaborating over a decade ago. This collaboration has resulted in vehicle performance and mobility that is one of the best on the market. The foremost factor contributing to this success is the hydro-pneumatic performance delivered by KALLER. We are proud of this collaboration and look forward to continuing this partnership for many years forward.